

<p style="text-align: center;">TABLE 6-2</p> <p style="text-align: center;">Transportation-Related Land Use STRATEGY PACKAGES for <i>SUBURBAN AREAS</i></p>				
STRATEGY DESCRIPTION	<u>Suburban Level 1</u> <i>(Performance Goal: <22,000 VMT/HH)*</i>	<u>Suburban Level 2</u> <i>(Performance Goal: 20,000 - 22,000)*</i>	<u>Suburban Level 3</u> <i>(Performance Goal: 22,000 - 25,000)*</i>	SUPPORTIVE FACTORS

STRATEGY CHARACTERISTICS:

<p>1. Strengthen Downtowns Single or predominant city center that incorporates a primary employment center, with supporting housing, commercial, and region-serving public/cultural uses</p>	<p>Locate significant retail, office, conference, housing, public service and entertainment activities downtown.</p>	<p><i>same as for Suburban Level 1</i></p>	<p><i>Implement Strategy if Progression to next higher level is desired.</i></p>	<ul style="list-style-type: none"> - Direct pedestrian routes to surrounding neighborhoods - Pedestrian facilities within the downtown - High quality local and regional transit connections - Commercial buildings oriented to sidewalks
<p>2. Develop Concentrated Activity Centers Primary employment concentrated in a limited number of carefully planned centers with functionally-integrated complementary uses, including residential units.</p>	<p>The number of Concentrated Activity Centers will vary with the size of the jurisdiction and the metropolitan area.</p>	<p><i>same as for Suburban Level 1</i></p>	<p><i>Implement Strategy if Progression to next higher level is desired.</i></p>	<ul style="list-style-type: none"> - Auto uses discouraged for internal circulation - Pedestrian facilities - Provision of services for employees - Transit service - Proximity to residential areas

* Performance Goal Level: Average Vehicle Miles Traveled per Household per Year

Suburban Strategies
Chapter 6

"Transportation-Related Land Use Strategies to Minimize Motor Vehicle Emissions"

TABLE 6-2
Transportation-Related Land Use STRATEGY PACKAGES for *SUBURBAN AREAS*

STRATEGY DESCRIPTION	Suburban Level 1 (Performance Goal: <22,000 VMT/HH)*	Suburban Level 2 (Performance Goal: 20,000 - 22,000)*	Suburban Level 3 (Performance Goal: 22,000 - 25,000)*	SUPPORTIVE FACTORS
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STRATEGY CHARACTERISTICS:

3. Encourage Mixed-Use Development Mixed use residential and commercial development. Vertical and horizontal mixed-use, i.e., within and between buildings	Goals for larger sites; minimum % of gross floor area: Office center: - Office 30% - Retail 10% - Public 10% - Residential 10% Retail-cultural center: - Retail, hotel, entertainment 20% - Office 10% - Public 15% - Residential 10% Neighborhood center: - Residential 30% - Retail/Office 15% - Public 15% Residential area: - Residential 40% - Retail/Office 10% - Public 10% -	Goals for larger sites; minimum % of gross floor area: Office center: - Office 25% - Retail 10% - Public 10% - Residential 10% Retail-cultural center: - Retail, hotel, entertainment 20% - Office 10% - Public 15% - Residential 10% Neighborhood center: - Residential 30% - Retail/Office 10% - Public 10% Residential area: - Residential 40% - Retail 10% - Public 10%	Goals for larger sites; minimum % of gross floor area: Office center: - Office 20% - Retail 10% - Public 10% - Residential 15% Retail-cultural center: - Retail, hotel, entertainment 10% - Office 10% - Public 15% - Residential 20% Neighborhood center: - Residential 30% - Retail 10% - Public 10% Residential area: - Residential 40% - Retail 10% - Public 10%	<ul style="list-style-type: none"> - Pedestrian and bicycle facilities - Interconnected street pattern - Services within walking and bicycling distance of workplaces (1/4 to 1/2 mile)
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Suburban Strategies
Chapter 6

"Transportation-Related Land Use Strategies to Minimize Motor Vehicle Emissions"

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STRATEGY CHARACTERISTICS:

4. Encourage Infill and Densification Infill development creates clusters of higher residential density and adds employment to jobs-poor urbanized areas	Density at a minimum of <u>16 or more dwelling units/net</u> residential acre, on average.	Density at a minimum of <u>12 or more dwelling units/net</u> residential acre, on average.	Density at a minimum of <u>10 or more dwelling units/net</u> residential acre, on average.	<ul style="list-style-type: none"> - Pedestrian and bicycle facilities - Interconnected street pattern - Employment centers and retail services near residential clusters - Transit service to residential clusters
5. Increase Density Near Transit Corridors Compact residential and commercial uses within 1/4 to 1/2 mile of major transit corridors	<p>Residential density: minimum of <u>22 dwelling units/net</u>¹ residential acre, on average.</p> <p>Commercial intensity: minimum of <u>260 employees</u> per net commercial acre, except theaters and hotels (Floor Area Ratio (FAR) about <u>1.6</u>).²</p>	<p>Residential density: minimum of <u>16 dwelling units/net</u> residential acre, on average.</p> <p>Commercial intensity: minimum of <u>230 employees</u> per net commercial acre, except theaters and hotels (FAR about <u>1.4</u>).</p>	<p>Residential density: minimum of <u>14 dwelling units/net</u> residential acre, on average.</p> <p>Commercial intensity: minimum of <u>190 employees</u> per net commercial acre, except theaters and hotels. (FAR about <u>1.2</u>).</p>	<ul style="list-style-type: none"> - Pedestrian facilities - 20-min. transit headways or less, ³ <i>especially in peak periods</i> - Multiple bus routes - Interconnected street pattern - New auto-oriented uses discouraged along corridor

¹ number of dwelling units per residentially-zoned acre (excluding commercial and other uses, streets, open space, etc.)

² FAR = 'Floor Area Ratio' - the ratio of a building's floor area to the size of the parcel or lot, including parking areas.

³ Transit headway = the frequency of transit service to a particular location.

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STRATEGY CHARACTERISTICS:

6. Increase Density Near Transit Stations Compact residential and commercial uses within 1/4 to 1/2 mile of significant stations	Residential density: At least <u>30 dwelling units/net</u> residential acre, on average. Commercial intensity: minimum of <u>290 employees</u> per net commercial acre, except theaters and hotels. (Floor Area Ratio - FAR - about <u>1.8</u>)	<u>Pursue Strategy if Basic Infrastructure Exists:</u> Residential density: At least <u>20 dwelling units/net</u> residential acre, on average. Commercial intensity: minimum of <u>260 employees</u> per net commercial acre, except theaters and hotels. (FAR about <u>1.6</u>)	<u>Pursue Strategy if Basic Infrastructure Exists:</u> Residential density: At least <u>16 dwelling units/net</u> residential acre, on average. Commercial intensity: minimum of <u>230 employees</u> net commercial acre, except theaters and hotels. (FAR about <u>1.4</u>)	<ul style="list-style-type: none"> - Pedestrian facilities - 20-min. transit headways or less, especially in peak periods - New auto-oriented uses discouraged near transit stations
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STRATEGY CHARACTERISTICS:

<p>7. Provide Pedestrian Facilities</p> <p>Direct, accessible pedestrian routes to encourage walking</p>	<p><u>Design features include:</u></p> <ul style="list-style-type: none"> - crosswalks and pedestrian-actuated traffic signals - wide sidewalks (5-10 ft) - protection from fast vehicular traffic - short block-faces - minimal building setbacks - on-street entries to buildings 	<p><i>same as for Suburban Level 1</i></p>	<p><i>same as for Suburban Level 1</i></p>	<ul style="list-style-type: none"> - Neighborhood services within 1/2 mile of most residences - Direct connections for pedestrians and bicycles - Interconnected street pattern - Routes that link compact, clustered development - Traffic calming measures
<p>8. Develop Interconnected Travel Networks</p> <p>Regular grid or other inter-connected street system</p>	<p>Encourage multiple streets over isolated, hierarchical multi-lane arterials.</p>	<p><i>same as for Suburban Level 1</i></p>	<p><i>same as for Suburban Level 1</i></p>	<ul style="list-style-type: none"> - Pedestrian/bicycle connections - Short blocks

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STRATEGY CHARACTERISTICS:

<p>9. Provide Strategic Parking Facilities Reduce the parking supply to reflect the increased transit use and walking or bicycling occurring as a result of implemented strategies. Parking should facilitate, not inhibit, walking and transit. Management of parking should vary by land use type and proximity to transit.</p>	<p><u>Design features include:</u></p> <ul style="list-style-type: none"> - Workplace parking managed at all locations - Supply does not exceed demand - On-street parking controlled - Parking shared among uses - Priority parking for bicycles, carpools, vanpools and 'zero-emission' vehicles 	<p><i>same as for Suburban Level 1</i></p>	<p><i>same as for Suburban Level 1</i></p>	<ul style="list-style-type: none"> - Pedestrian and bicycle facilities - Mixed uses within walking distance - Transit service (amount varies by situation)
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TABLE 6-2a

Case Study Examples of:
SUBURBAN COMMUNITIES

SAMPLE COMMUNITY	REGIONAL LOCATION	Average VMT Per Household Per Year	PERFORMANCE GOALS: Average Vehicle Miles of Travel per Household per Year
Alameda	SF Bay Area	17,000	Suburban Level 1: (17,000 to 20,000)
Pasadena (south central area)	Los Angeles	17,300	
Daly City	SF Bay Area	19,300	
Downey (central area)	Los Angeles	21,400	Suburban Level 2: (20,000 to 22,000)
Alhambra	Los Angeles	21,700	
Escondido	San Diego	21,700	
Walnut Creek	SF Bay Area	22,300	Suburban Level 3: (22,000 to 25,000)
Lafayette	SF Bay Area	22,300	
Clairemont	San Diego	22,700	
Riverside (northern area)	Los Angeles	23,700	

* Sources: JHK & Associates, *Transportation-Related Land Use Strategies to Minimize Mobile Source Emissions*, 1995, Table 5-2. Source of community data: Dr. John Holtzclaw, *Using Residential Patterns and Transit to Decrease Auto Dependence and Costs*, June 1994. (Community data was grouped and annotated by JHK & Associates and ARB staff.)